Interference Search

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	87306	"370"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:52
L2	5	1 and ((load adj balanc$3)same (hash same function)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:53
L3	0	2 and ((server adj bank adj table) near25 (generat$3 near5 hash))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:55
L4	0	2 and ((server adj bank adj table) near25 (generat$3 near5 hash)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:55
L5	3	2 and 370/392,395.32,401.ccls.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:56
L6	0	5 and ((server adj band adj table) near12 (generated adj hash adj value))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:58
L7	0	5 and ((server adj band adj table) near12 (generated adj hash adj value)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 15:59
L8	0	5 and ((machine adj accessable) same (packet adj forwarding adj device)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/19 16:00

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	87306	"370"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L2	5	1 and ((load adj balanc$3)same (hash same function)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
3	BRS	L3	0	2 and ((server adj bank adj table) near25 (generat$3 near5 hash))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

	Time Stamp	Comments	Error Definition	Errors
1	2005/08/19 15:52			
2	2005/08/19 15:53			
3	2005/08/19 15:55			

	Type	L #	Hits	Search Text	DBs
4	BRS	L4	0	2 and ((server adj bank adj table) near25 (generat$3 near5 hash)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L5	3	2 and 370/392,395.32,401.ccls.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L6	0	5 and ((server adj band adj table) near12 (generated adj hash adj value))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

	Time Stamp	Comments	Error Definition	Errors
4	2005/08/19 15:55			
5	2005/08/19 15:56			
6	2005/08/19 15:58			

	Type	L #	Hits	Search Text	DBs
7	BRS	L7	0	5 and ((server adj band adj table) near12 (generated adj hash adj value)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L8	0	5 and ((machine adj accessable) same (packet adj forwarding adj device)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L9	15791	(Load adj balanc$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

	Time Stamp	Comments	Error Definition	Errors
7	2005/08/19 15:59			
8	2005/08/19 16:00			
9	2005/08/19 16:01			

	Type	L #	Hits	Search Text	DBs
10	BRS	L10	351	9 and (hash$3 same identifier$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
11	BRS	L11	65	10 and MAC and (TCP/IP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L12	3	11 and 370/401.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

	Time Stamp	Comments	Error Definition	Errors
10	2005/08/19 16:02			
11	2005/08/19 16:03			
12	2005/08/19 16:03			

Document

Select the documents you wish to save or order by clicking the box next to the document, or click the link above the document to order directly.

☑ **document 1 of 6** Order Document

INSPEC - 1969 to date (INZZ)

Accession number & update
8096096, B2004-10-6210L-416, C2004-10-5620W-186; 20040912.

Title
Semi-dynamic routing protocols for anycast packet **forwarding.**

Author(s)
Narayanan-T; Karuppiah-E-K; Abdullah-R; Ed. by Ismail-M.

Author affiliation
Sch of Comput Sci, Sci Univ, Penang, Malaysia.

Source
9th Asia-Pacific Conference on Communications, Vol.3, Penang, Malaysia, 21-24 Sept. 2003.
Sponsors: Telekon Malaysia Berhad.
In: p.978-82 Vol.3, 2003.

ISSN
ISBN: 0-7803-8114-9, CCCC: 7803-8114/03/ ($17.00).

Publication year
2003.

Language
EN.

Publication type
CPP Conference Paper.

Treatment codes
P Practical.

Abstract
Routing is a fundamental mechanism in any IP communication network, which takes place at the network layer. Anycasting is a new mechanism introduced recently for IP packet delivery from a sending node to any one of a group of **receiving** nodes with the same IP addresses. Any one and only one node from the group will reply to the sender. The birth of IPv6 has enabled service locating using anycasting method, which was not possible in IPv4. Generally packets are routed by static or dynamic routing method. Packets can be routed by using single path routing (SPR), multiple path routing (MPR) or integrated routing (SPR&MPR) techniques. In this paper we have implemented and analyzed single path routing tree algorithms with two routing strategies: static and semi-dynamic. Bellman ford algorithm was used to develop our new semi-dynamic anycast routing mechanisms. Routing tree formation (RTF) protocol that we implemented includes anycast group based shortest path first (AGBSPF) algorithm, load-balanced AGBSPF algorithm, load propagation algorithm for **server** load announcement and core-based tree (CBT). Besides we have also implemented packet **forwarding** (PF) algorithms to perform well with the RTF where it helps to forward the packets based on the costs and

server load. Semi-dynamic method has proved to be better then the static where it provides alternative path for packets transmission in the case of link or node down. (16 refs).

Descriptors

Internet; IP-networks; routing-protocols.

Keywords

semidynamic routing protocols; packet **forwarding;** IP communication network; dynamic routing method; static routing method; multiple path routing; integrated routing; single path routing tree algorithms; routing tree formation protocol; anycast group based shortest path first algorithm; load propagation algorithm; load announcement; core based tree; packet **forwarding** algorithms.

Classification codes

```
B6210L    (Computer communications).
B6150P    (Communication network design, planning and routing).
B6150M    (Protocols).
C5620W    (Other computer networks).
C5640     (Protocols).
```

Document

Select the documents you wish to save or order by clicking the box next to the document, or click the link above the document to order directly.

☑ **document 4 of 6** Order Document

INSPEC - 1969 to date (INZZ)

Accession number & update
6593100, B2000-06-6210L-168, C2000-06-5620W-063; 20000501.

Title
Internet and ATM integration from a multicast perspective.

Author(s)
Ooms-D; Dumortier-P; Livens-W; Stuettgen-H; Rothig-J; Mateescu-M; Fan-C; Demeester-P; Vogeleer-M; Karatzas-N.

Author affiliation
Alcatel, Belgium.

Source
Interoperable-Communications-Networks (Netherlands), vol.1, no.2-4, p.389-94, 1998. , Published: Baltzer.

ISSN
ISSN: 1385-9501.

Availability
SICI: 1385-9501(1998)1:2/4L.389:IIFM; 1-S.

Publication year
1998.

Language
EN.

Publication type
J Journal Paper.

Treatment codes
T Theoretical or Mathematical.

Abstract
Two topics, which both aim to enhance Internet network performance, have been **receiving** a lot of attention from both the research and the industrial community. The first one, the family of IP-switching technologies, wants to use layer 2 (L2) switching capacity to free classical routers from the packet **forwarding** bottleneck at the IP layer (L3). The second topic, IP multicast, targets establishing tree structures in IP networks. This technique removes the heavy load at the **server** side when serving multiple clients and it enables better usage of network resources. The ACTS project IthACI ("Internet and the ATM: experiments and enhancements for convergence and integration") will concentrate on enhancements to the basic unicast best-effort mode of IP-switching. These enhancements include IP multicast, quality of service (QoS), mobility and resource management. This paper focuses on the key

enhancement in the project, namely short-cutting IP multicast traffic. The project consortium includes AlgoSystems (Greece), Alcatel (Belgium), GMD Fokus (Germany), Cisco Europe (Belgium), NEC Europe (UK), IMEC (Belgium), ICS Forth (Greece) and University of Surrey (UK) . The emphasis in the IthACI project is on prototyping and experiments. (15 refs).

Descriptors

asynchronous-transfer-mode; computer-network-management; Internet; mobile-communication; multicast-communication; quality-of-service.

Keywords

Internet integration; ATM integration; multicast perspective; network performance; IP switching technologies; layer 2 switching capacity; packet **forwarding** bottleneck; IP layer; IP multicast; tree structures; IP networks; network resources; IthACI; Internet and the ATM: experiments and enhancements for convergence and integration; unicast best effort mode; quality of service; mobility; resource management; prototyping.

Classification codes

```
B6210L    (Computer communications).
B6150C    (Communication switching).
B6210C    (Network management).
C5620W    (Other computer networks).
C5670     (Network performance).
```

Dial·g DataStar

options | logoff | feedback | help

databases | easy search

INFORMATION - No documents were found

Advanced Search: INSPEC - 1969 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	Hash$3 AND load ADJ balanc$3	unrestricted	127	show titles
2	INZZ	hash ADJ near5 ADJ value AND indes ADJ value	unrestricted	0	-

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips ☑ Thesaurus mapping

receiving and forwarding and server | whole document

Information added since: [ ] or: none
(YYYYMMDD)

search

Select special search terms from the following list(s):

- Publication year
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
- Classification codes A: Physics, 7
- Classification codes A: Physics, 8
- Classification codes A: Physics, 9
- Classification codes B: Electrical & Electronics, 0-5
- Classification codes B: Electrical & Electronics, 6-9
- Classification codes C: Computer & Control
- Classification codes D: Information Technology

- Classification codes E: Manufacturing & Production
- Treatment codes
- INSPEC sub-file
- Language of publication
- Publication types

Top - News & FAQS - Dialog